

ORIGINAL ARTICLES

---

- Survival of *Escherichia coli* O157:H7 Transformed with Either the pAK1-*lux* or pXEN-13 Plasmids in *In Vitro* Bovine Ruminal and Fecal Microbial Fermentations** 1  
*H.A. Duoss, J.R. Donaldson, T.R. Callaway, J.A. Carroll, P.R. Broadway, J.M. Martin, S. Shields-Menard, and T.B. Schmidt*
- Food Safety Systems in a Small Dairy Factory: Implementation, Major Challenges, and Assessment of Systems' Performances** 6  
*S. Cusato, A.H. Gameiro, C.H. Corassin, A.S. Sant'Ana, A.G. Cruz, J. de Assis F. Faria, and C.A.F. de Oliveira*
- Prevalence and Molecular Characterization of CTX-M  $\beta$ -Lactamase-Producing *Escherichia coli* Isolated from Healthy Swine and Cattle** 13  
*M.D. Tamang, H.-M. Nam, S.-R. Kim, M.H. Chae, G.-C. Jang, S.-C. Jung, and S.-K. Lim*
- Sequencing of Virulence Genes Shows Limited Genetic Variability in *Yersinia pseudotuberculosis*** 21  
*E. Palonen, S. Kangas, P. Somervuo, M. Lindström, M. Fredriksson-Ahomaa, M. Skurnik, and H. Korkeala*
- Development of Ceftriaxone Resistance Affects the Virulence Properties of *Salmonella enterica* Serotype Typhimurium Strains** 28  
*L. Li, Y.-R. Yang, X.-P. Liao, C.-Y. Lei, J. Sun, L.-L. Li, B.-T. Liu, S.-S. Yang, and Y.-H. Liu*
- A Cross-Sectional Study on the Potential Transmission of the Carcinogenic Liver Fluke *Opisthorchis viverrini* and Other Fishborne Zoonotic Trematodes by Aquaculture Fish** 35  
*O. Pitaksakulrat, P. Sithithaworn N. Laoprom, T. Laha, T.N. Petney, and R.H. Andrews*
- Characterization of *Salmonella* Food Isolates with Concurrent Resistance to Ceftriaxone and Ciprofloxacin** 42  
*M.H.Y. Wong, L. Zeng, J.H. Liu, and S. Chen*
- Comparison of RNA Extraction Methods for the Detection of a Norovirus Surrogate in Ready-to-Eat Foods** 47  
*M. Girard, R. Morales-Rayas, and J. Jean*

<b>Effects of Therapeutical and Reduced Levels of Antibiotics on the Fraction of Antibiotic-Resistant Strains of <i>Escherichia coli</i> in the Chicken Gut</b>	55
<i>M.A. van der Horst, T.H. Fabri, J.M. Schuurmans, B.B. Koenders, S. Brul, and B.H. ter Kuile</i>	
<b>Effect of Storage Temperature on Survival and Recovery of Thermal and Extrusion Injured <i>Escherichia coli</i> K-12 in Whey Protein Concentrate and Corn Meal</b>	62
<i>D.O. Ukuku, S. Mukhopadhyay, and C. Onwulata</i>	
<b>Variability Among States in Investigating Foodborne Disease Outbreaks</b>	69
<i>T.F. Jones, L. Rosenberg, K. Kubota, and L.A. Ingram</i>	
<b>Clonal Diversity of ESBL-Producing <i>Escherichia coli</i> in Pigs at Slaughter Level in Portugal</b>	74
<i>S. Ramos, N. Silva, D. Dias, M. Sousa, J.L. Capelo-Martinez, F. Brito, M. Caniça, G. Igrejas, and P. Poeta</i>	
<b><i>Yersinia enterocolitica</i> of Porcine Origin: Carriage of Virulence Genes and Genotypic Diversity</b>	80
<i>D.A. Tadesse, P.B. Bahnson, J.A. Funk, W.E.M. Morrow, M.J. Abley, V.A. Ponte, S. Thakur, T. Wittum, F.J. DeGraves, P.J. Rajala-Schultz, and W.A. Gebreyes</i>	
<b>Antimicrobial Activity of Plant Essential Oils Against <i>Escherichia coli</i> O157:H7 and <i>Salmonella</i> on Lettuce</b>	87
<i>N. Yossa, J. Patel, P. Millner, S. Ravishankar, and Y.M. Lo</i>	
<b>LETTER TO THE EDITOR</b> _____	
<b>Case-Control Studies of Sporadic Enteric Infections Complement Information from Outbreak Investigations</b>	97
<i>K.E. Fullerton and B.E. Mahon</i>	